

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A locking device for foldable rigid buckling packing housings, comprising a lower housing, an upper housing, a button, an upper housing hinge plate, a lower housing hinge plate, and a locking plate;

wherein the lower housing and the upper housing are interconnected by the upper housing hinge plates and the lower housing hinge plate; wherein ~~the structure of the hinges between the lower housing and the upper housing is as follows: the upper housing hinge plate is attached on the upper housing and interconnected with the lower housing hinge plate, said upper housing hinge plate further having rotatable arms, wherein said locking plate is movably attached on said lower housing and operates to lock said rotatable arms, which are attached to the upper housing hinge plate ; a movable locking plate is attached on the lower housing to lock the rotatable arms of the upper housing hinge plate; and the locking plate is further linked with a~~ button located on a side wall of the lower housing, wherein; and the button has a resetting spring.

2. (Currently amended) The locking device for foldable rigid buckling packing housings as claimed in claim 1, wherein ~~the an~~ an upper side of the said locking plate sticks at ~~the a~~ a lower edge of the upper housing hinge plate, wherein said upper housing hinge plate further comprises a projection which covers the a right side and a left sides of a the projection of a the hinge point of said locking plate, wherein the distance between the hinge point of said locking plate and the lower edge of the upper housing hinge plate is equals to the distances from the hinge point of said locking plate to the inner edge and/or the an upper edge of said upper housing hinge plate and an inner edge of said upper housing hinge plate.

3. (Currently amended) The locking device for foldable rigid buckling packing housings as claimed in claim 2, wherein ~~the~~ said lower edge of the upper housing hinge plate is parallel to

said upper edge of the upper housing hinge plate, ~~while~~ and the inner edge of the upper housing hinge plate is perpendicular to said lower edge.

4. (Currently amended) The locking device for foldable rigid buckling packing housings as claimed in claim 3, wherein ~~the~~ an upper side of the said locking plate has a convex portion at the site of the projection of the hinge point, while the lower edge of upper housing hinge plate has a concave portion matching the convex portion on the upper side of the locking plate; the distance from the hinge point to the concave portion is equal to the distances from the hinge point to the lower edge of said upper housing hinge plate, the hinge point to the inner edge of said upper housing hinge plate and the hinge point to the upper edge of said upper housing hinge plate.

5. (Currently amended) The locking device for foldable rigid buckling packing housings as claimed in claim 1, wherein the sum of distance ~~from~~ from said hinge point of said locking plate to ~~an~~ its upper side of said locking plate and ~~that~~ from ~~an~~ the upper side of the locking plate to ~~at~~ the lower housing scaleboard equals the distance from the hinge point of said locking plate to the lower housing scaleboard.

6. (Currently amended) The locking device for foldable rigid buckling packing housings as claimed in claims 1, 2, 3, or 4, further comprising ~~wherein~~ a heating board is installed between said lower housing and said upper housing; electrothermal components ~~are~~ installed between the heating board and said upper housing and said lower ~~the~~ housings; a first control knob ~~is~~ installed on ~~at~~ the side walls of the upper housing and a second control knob installed on a side wall of ~~the~~ lower housing; and feet ~~are~~ installed on ~~at~~ the bottom wall of the lower housing and ~~at~~ the top wall of the upper housing.